Why Certify with AHRI?
Because it...
► Provides assurance, anytime, anywhere
► Raises consumer confidence in product quality
► Increases integrity of industry ratings
► Facilitates compliance with minimum efficiency standards
► Helps you win more bids and sell more products

Air-Cooled Chiller Scope:
► Units rated up to 400 tons (units rated up to 600 tons after July 2013)
► Hermetic or open-type, electric motor-driven units up to 600 volts
► All compressor types
► 50 Hz units may be certified on a selective basis

Water-Cooled Chiller Scope:
► Units rated at AHRI Standard Rating Conditions:
  • 60 Hz units rated up to 3,000 tons
  • 50 Hz units rated from 200-3,000 tons
► Hermetic and open-type, electric motor-driven units up to 15,000 volts
► Compressor types:
  • 60 Hz units using any compressor type
  • 50 Hz units using only centrifugal and screw compressors

Software Requirements
► Allow for selection of any certified product at any application rating condition per Standard 550/590
► Provide full load and IPLV data for each unit
► Condenser Pressure Drop (water-cooled only)
► Evaporator Pressure Drop
► Allow selection of a NPLV point
  • Input any percent load
  • Input any entering water temperature within the program scope
  • Output full NPLV data for selected point
► All output sheets must list the software version number
► Each output sheet must list whether the unit is certified, rated in accordance with — or outside the scope of — AHRI 550/590
► Unit model number
► Refrigerant type

AHRI Chiller Resources
Visit AHRinet.org for free access to the following:
► AHRI 550/590-(IP)-2011: Performance Rating of Water Chilling Packages Using the Vapor Compression Cycle
► AHRI 551/591 (SI)-2011
► General Certification Operations Manual
► ACCL Operations Manual-2012
► WCCL Operations Manual-2012

For more information on certification, go to AHRI Certification Programs at www.ahrinet.org/certification.aspx
Supporting the Global Industry

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) is the trade association representing manufacturers of heating, ventilation, air conditioning, commercial refrigeration, and water heating equipment and components for sale in North America and around the world.

Ensuring human comfort, productivity, and safety — while practicing environmental stewardship — is the mission of AHRI. Through our certification program, standards, advocacy, and other activities, we strive to help save energy, improve comfort and productivity, and ensure a better environment.

AHRI Global Certification Program Participants

**Air-Cooled Chilling Packages**

BLUE STAR LIMITED
CARRIER CORPORATION
CHONGQING MIDEA
DUNHAM-BUSH, INC.
LG ELECTRONICS, INC.
MCQUAY INTERNATIONAL
MULTISTACK, LLC.
PETRA ENGINEERING INDUSTRIES CO.
SMARDT, INC.
TRANE
YORK INTERNATIONAL CORPORATION

**Water-Cooled Chilling Packages**

ARCTIC COOL
ARCTIC HILL
BLUE STAR LIMITED
CARRIER CORPORATION
CLIMACOOL CORPORATION
DUNHAM-BUSH, INC.
ENERGY RECOVERY SYSTEMS, INC.
GREE ELECTRIC APPLIANCES INC. OF ZHUHAI
JOHNSON CONTROLS, INC.
KIRLOSKAR CHILLERS PRIVATE LIMITED
MCQUAY INTERNATIONAL MULTISTACK, LLC.
NANJING TICA AIR-CONDITIONING CO. LTD.
PETRA ENGINEERING INDUSTRIES CO.
SMARDT, INC.
TRANE
VOLTAS LIMITED

Chillers Application Process

■ Items for you to prepare
■ Items for AHRI to prepare

■ Prepare and submit the following materials together:

1. Application for AHRI Certification
2. Data submittal sheets
3. Selection rating software program
4. Sales volume report (last year’s sales of products that will be certified)
5. Laboratory approval forms, if using witness testing
6. One test report for each Basic Model Group (BMG)

■ AHRI sends Certification Agreement
■ Sign and return the Certification Agreement
■ Submit BMG form
■ AHRI will validate your BMGs and establish the number of qualification tests
■ AHRI sends Participation and License Invoice
■ Pay the Participation and License Invoice
■ AHRI will coordinate testing logistics
■ Pass the tests
■ AHRI sends your Welcome Letter
■ Congratulations — you are certified!
■ See your listings in the AHRI Directory of Certified Product Performance (www.ahridirectory.org)
■ Start to market and promote your AHRI Certification participation

2111 Wilson Boulevard, Suite 500
Arlington, VA 22201 USA
Phone 001 703-524-8800
Fax 001 703-562-1942
www.ahrinet.org

Current as of 03/2012